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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,193	12/11/2003	Masanori Taketsugu	P/1878-186	2577
2352	7590	05/30/2006	EXAMINER	
OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS NEW YORK, NY 100368403			IQBAL, KHAWAR	
			ART UNIT	PAPER NUMBER
			2617	

DATE MAILED: 05/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	10/735,193		TAKETSUGU, MASANORI	
	Examiner		Art Unit	
	Khawar Iqbal		2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 23-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 23-46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>4-14-06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Reassignment Affecting Application Location

The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 23-46 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimizu (20040235481).
3. Reading claim 23 Shimizu teaches a mobile communications system comprising (fig. 1):
 - a terminal resource controller that performs a control independent of a radio transmission scheme (Para. # 0019-0020 and 0035-0036); and
 - a plurality of base station resource controllers that perform the control dependent on the radio transmission scheme (Para. # 0019-0020 and 0035-0036);
 - wherein said terminal resource controller manages said plurality of base station resource controllers (Para. # 0019-0020 and 0035-0036,0068).

Reading claim 24 Shimizu teaches wherein said terminal resource controller is connected to said plurality of base station resource controllers through said switching equipment (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 25 Shimizu teaches wherein said switching equipment is a router or a hub (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 26 Shimizu teaches wherein said terminal resource controller is physically separated from said plurality of base station resource controllers (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 27 Shimizu teaches said terminal resource controller comprises: a terminal position detector; a common radio resource manager; a broadcast network device; and a mobile controller (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 28 Shimizu teaches wherein each of said plurality of base station resource controllers comprises, a cell controller, a radio layer controller, a cell communication gateway, and a user radio gateway (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 29 Shimizu teaches wherein each of a plurality of base station resource controllers is incorporated into a base station (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 30 Shimizu teaches further comprising a mobile terminal (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 31 Shimizu teaches a method of controlling a mobile communications system, comprising:

a terminal resource controller in the mobile communications system, performing a control independent of a radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1); and

a plurality of base station resource controllers in the mobile communications system performing a control dependent on the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1), wherein said terminal resource controller manages said plurality of base station resource controllers (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 32 Shimizu teaches a mobile communications system comprising: a plurality of terminal resource controllers that perform a control independent of a radio transmission scheme; and a base station resource controller that performs a control dependent on the radio transmission scheme, wherein said plurality of terminal resource controllers manage said base station resource controller (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 33 Shimizu teaches a switching element, wherein said plurality of terminal resource controllers are connected to said base station resource controller through said switching equipment (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 34 Shimizu teaches wherein said switching equipment is a router or a hub (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 35 Shimizu teaches wherein said plurality of terminal resource controllers are physically separated from said base station resource controller (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 36 Shimizu teaches wherein each of said terminal resource controller comprises: a terminal position detector, a common radio resource manager; a broadcast network device, and a mobile controller (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 37 Shimizu teaches wherein said plurality of base station controllers comprises: a cell controller, a radio layer controller, a cell communication gateway, and a user radio gateway (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 38 Shimizu teaches wherein each of a plurality of base station resource controllers is incorporated into a base station.

Reading claim 39 Shimizu teaches further comprising a mobile terminal (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 40 Shimizu teaches a method of controlling a mobile communications system, comprising: a plurality of terminal resource controllers in the mobile communications system performing a control independent of a radio transmission scheme; and a base station resource controller in the mobile communications system performing a control dependent on the radio transmission scheme; wherein said plurality of terminal resource controllers manage said base station resource controller (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 41 Shimizu teaches a terminal resource controller comprising: a terminal position detector, a common radio resource manager, a broadcast network device; and a mobile controller, wherein the terminal resource controller performs a control independent of a radio transmission scheme, and wherein the terminal resource

controller manages a plurality of base station resource controllers that perform a control dependent on the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 42 Shimizu teaches a terminal resource controller comprising: terminal position detection means for detecting a terminal position; common radio resource management means for managing a common radio resource; broadcast means for broadcasting (Para. # 0019-0020 and 0035-0036,0068, fig. 1); and mobile control means for controlling a mobile terminal, wherein the terminal resource controller performs a control independent of a radio transmission scheme, and wherein the terminal resource controller manages a plurality of base station resource controllers that perform a control dependent on the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 43 Shimizu teaches a method of controlling a terminal resource controller, comprising performing a control independent of a radio transmission scheme, wherein said terminal resource controller manages a plurality of base station resource controllers that perform a control dependent on a radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 44 Shimizu teaches a base station resource controller comprising: a cell controller; a radio layer controller, a cell communication gateway', and a user radio gateway, wherein the base station resource controller performs a control dependent on a radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1); and wherein the base station resource controller is managed by a plurality of

terminal resource controllers that perform a control independent of the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 45 Shimizu teaches a base station resource controller comprising: cell control means for controlling a cell radio layer control means for controlling a radio layer, cell communication gateway means for transmitting a radio channel signal; and user radio gateway means for controlling retransmission (Para. # 0019-0020 and 0035-0036,0068, fig. 1), wherein the base station resource controller performs a control dependent on a radio transmission scheme, and wherein the base station resource controller is managed by a plurality of terminal resource controllers that perform a control independent of the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Reading claim 46 Shimizu teaches a method of controlling a base station resource controller, comprising: performing a control dependent on a radio transmission scheme, wherein the base station resource controller is managed by a plurality of terminal resource controllers that perform a control independent of the radio transmission scheme (Para. # 0019-0020 and 0035-0036,0068, fig. 1).

Response to Arguments

4. Applicant should submit an argument under the heading "Remarks" pointing out disagreements with the examiner's contentions. Applicant must also discuss the references applied against the claims, explaining how the claims avoid the references or distinguish from them.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khawar Iqbal whose telephone number is 571-272-7909.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal



JOSEPH FEILD
SUPERVISORY PATENT EXAMINER